

**Unit
4****Written Practice Assessment****Part A**

1. Write each of the following fractions in simplest form.

a. $\frac{6}{9}$ _____

b. $\frac{18}{20}$ _____

c. $\frac{55}{100}$ _____

d. $\frac{27}{123}$ _____

2. Complete the table below. Simplify all fractions.

	Fraction	Decimal	Percent		Fraction	Decimal	Percent
a.		0.35		e.		0.96	
b.	$\frac{16}{25}$			f.	$\frac{6}{20}$		
c.		0.03		g.			28.5 %
d.			70 %	h.	$1\frac{4}{5}$		

3. Compare using < or >.

a. $\frac{1}{3}$ _____ $\frac{4}{9}$

b. $2\frac{5}{8}$ _____ $2\frac{7}{12}$

c. $1\frac{1}{4}$ _____ $\frac{6}{5}$

d. 2.81 _____ $2\frac{6}{7}$

4. When he began second grade, Gary was $45\frac{5}{8}$ inches tall.

At the end of the year, he was $46\frac{3}{4}$ inches tall. How much had he grown? _____
(unit)

5. Evan uses his pencil to do his math work. He started the week with a new pencil, which measured 12.4 inches in length. At the end of 2 weeks, the pencil measured 7.6 inches in length. Find the difference between the 2 pencil lengths. Express your answer as a mixed number. _____ in.

6. Add. Write all answers greater than 1 as mixed numbers. Write all fractions in simplest form.

a. $\frac{5}{9} + \frac{2}{3} =$ _____

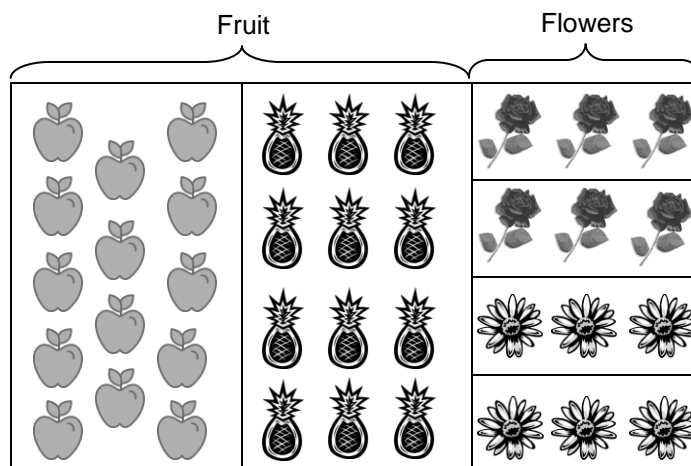
b. $1\frac{4}{5} + 3\frac{2}{3} =$ _____

c. $3\frac{5}{6} + 1\frac{3}{4} =$ _____

d. $2\frac{6}{8} + 1\frac{2}{6} + 1\frac{3}{8} =$ _____

**Unit
4****Written Practice Assessment** *continued*

7. Use the diagram to solve the problems below. Write your answers in simplest form.



Mrs. Hatchet plants $\frac{2}{3}$ of her garden with fruit and $\frac{1}{3}$ of it with flowers. She plants $\frac{1}{2}$ of the flower section with roses and the rest of the flower section with daisies.

- a. What fraction of the entire garden is daisies? _____
- b. Write a number model for the fraction of the entire garden that is roses. _____
- c. Suppose Mrs. Hatchet's garden has an area of 891 ft².
How many square feet are planted in fruit? _____ ft²

Part B

8. A survey asked students ages 8 to 18 the following question: *If you were stranded on a desert island and could choose only one of the things listed below to have with you, which would you choose?*

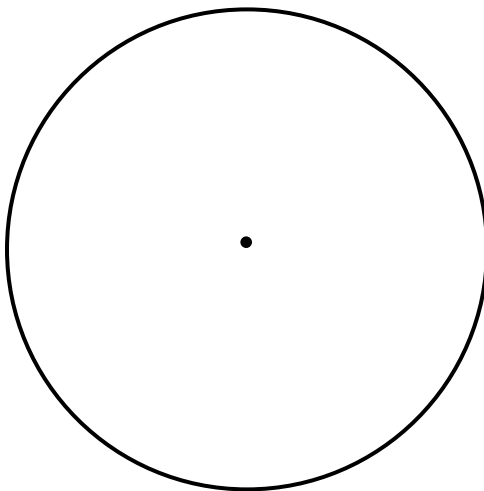
Complete the table below.

	Form of Entertainment	Number of Students	Percent of Students
a.	Computer with internet access	135	
b.	CDs, tapes, or radio		30 %
c.	Television	57	
d.	Video games		15 %
e.	Books or magazines	94	
f.	Total	520	



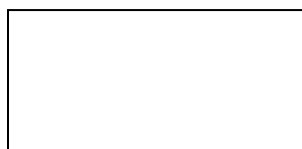
9. Use the Percent Circle on the Geometry Template to make a circle graph of the data in Problem 8.

Forms of Entertainment



10. Find the perimeter and area of the rectangle shown below.

9 in.



$3\frac{6}{16}$ in.

Perimeter _____ in.

Area _____ in²

11. Evaluate each expression when $x = 4$.

a. $0.0045 * 10^x$ _____

b. $2^x + 4^3$ _____

c. $-x + (-9)$ _____

d. $x^0 + (-3)$ _____

12. Estimate the quotient $762.6 \div 31$. Then divide

Estimate _____

$762.6 \div 31$

$762.6 \div 31 =$ _____